

**PRODUCT / PROCESS CHANGE INFORMATION**

**1. PCI basic data**

|                      |                                                                                   |                                      |
|----------------------|-----------------------------------------------------------------------------------|--------------------------------------|
| 1.1 Company          |  | STMicroelectronics International N.V |
| 1.2 PCI No.          | ANALOG MEMS SENSORS/25/15950                                                      |                                      |
| 1.3 Title of PCI     | VNL5090N3TR-E and VNL5090S5TR-E (VNY9): Datasheet update.                         |                                      |
| 1.4 Product Category | Pls refer to the impacted products list.                                          |                                      |
| 1.5 Issue date       | 2025-10-29                                                                        |                                      |

**2. PCI Team**

|                           |                          |  |
|---------------------------|--------------------------|--|
| 2.1 Contact supplier      |                          |  |
| 2.1.1 Name                | ROBERTSON HEATHER        |  |
| 2.1.2 Phone               | +1 8475853058            |  |
| 2.1.3 Email               | heather.robertson@st.com |  |
| 2.2 Change responsibility |                          |  |
| 2.2.1 Product Manager     | Vito GRAZIANO            |  |
| 2.1.2 Marketing Manager   | Francesco MACINA         |  |
| 2.1.3 Quality Manager     | Daniela FAZIO            |  |

**3. Change**

|                          |                                                                                                                   |                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 3.1 Category             | 3.2 Type of change                                                                                                | 3.3 Manufacturing Location                                                  |
| General Product & Design | Modification of datasheet :parameters/electrical specification (min./max./typ. values) and/or AC/DC specification | VNL5090N3TR-E/Assy= SC - TFME - CHINA<br>VNL5090S5TR-E/Assy= ST BOUSKOURA 2 |

**4. Description of change**

|                                                                                       |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                       | Old                                                                                                                                                                                                                                                               | New                                                                                                                                                                                                                                                                                                     |
| 4.1 Description                                                                       | DATASHEET (DS8791 Rev 8)<br>- Tab1 Devices Summary: Order Codes for Tube and T&R<br>- Paragraph 2: Electrical Specifications/ 2.2- Thermal data: Table 5.<br>- Paragraph 4: Package and PC board thermal data/ 4.1-SOT-223 thermal data and 4.2-SO-8 thermal data | DATASHEET (DS8791 Rev 9) updating<br>- Tab1 Devices Summary: Order Codes for Tube and T&R (updated)<br>- Paragraph 2: Electrical Specifications/ 2.2- Thermal data: Table 5 (updated)<br>- Paragraph 4: Package and PC board thermal data/ 4.1-SOT-223 thermal data and 4.2-SO-8 thermal data (updated) |
| 4.2 Anticipated Impact on form,fit, function, quality, reliability or processability? | No impact on product final performance                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                         |

**5. Reason / motivation for change**

|                      |                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------|
| 5.1 Motivation       | Alignment between effective product characteristics and thermal behavior and data reported inside Datasheet. |
| 5.2 Customer Benefit | QUALITY IMPROVEMENT                                                                                          |

**6. Marking of parts / traceability of change**

|                 |                                  |
|-----------------|----------------------------------|
| 6.1 Description | New Version of DS (DS8791 Rev 9) |
|-----------------|----------------------------------|

**7. Timing / schedule**

|                                     |                |
|-------------------------------------|----------------|
| 7.1 Date of qualification results   | 2025-10-24     |
| 7.2 Intended start of delivery      | 2025-10-24     |
| 7.3 Qualification sample available? | Not Applicable |

**8. Qualification / Validation**

|                                                    |             |            |  |
|----------------------------------------------------|-------------|------------|--|
| 8.1 Description                                    |             |            |  |
| 8.2 Qualification report and qualification results | In progress | Issue Date |  |

| 9. Attachments (additional documentations)                  |
|-------------------------------------------------------------|
| 15950 Public product.pdf<br>15950 DS8791 Rev 8 vs Rev 9.zip |

| 10. Affected parts      |                         |                          |
|-------------------------|-------------------------|--------------------------|
| 10. 1 Current           |                         | 10.2 New (if applicable) |
| 10.1.1 Customer Part No | 10.1.2 Supplier Part No | 10.1.2 Supplier Part No  |
|                         | VNL5090S5TR-E           |                          |
|                         | VNL5090N3TR-E           |                          |

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